(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 10 June 2004 (10.06.2004)

PCT

(10) International Publication Number WO 2004/049488 A2

Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 (JP). KU-

RITA, Kenji [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 (JP).

YACHI, Tomonori [JP/JP]; c/o Toyota Jidosha Kabushiki

Kaisha, of 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 (JP). KASHIWAGI, Hideki [JP/JP], c/o Toyota Jidosha

Kabushiki Kaisha, of 1, Toyota-cho, Toyota-shi, Aichi-ken,

(51) International Patent Classification7:

H01M 8/04

(21) International Application Number:

PCT/IB2003/005314

(22) International Filing Date:

21 November 2003 (21.11.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

22 November 2002 (22.11.2002) 2002-338675

(71) Applicant (for all designated States except US): TOY-OTA JIDOSHA KABUSHIKI KAISHA [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi-ken, 471-8571 (JP).

(81) Designated States (national): CA, CN, KR, US.

(84) Designated States (regional): European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).

Published:

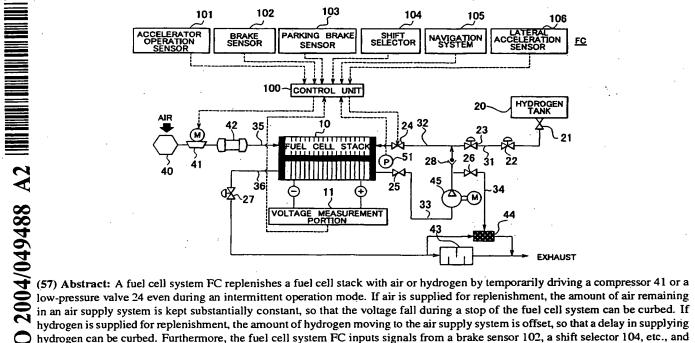
471-8571 (ЛР).

without international search report and to be republished upon receipt of that report

(72) Inventors; and

(75) Inventors/Applicants (for US only): YOSHIDA, Naohiro [JP/JP]; c/o Toyota Jidosha Kabushiki Kaisha, of1, For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FUEL CELL SYSTEM, MOBILE UNIT EQUIPPED WITH THE SYSTEM, AND CONTROL METHOD FOR THE FUEL CELL SYSTEM



hydrogen can be curbed. Furthermore, the fuel cell system FC inputs signals from a brake sensor 102, a shift selector 104, etc., and anticipates acceleration of a vehicle equipped with the system FC. On the basis of the anticipation of acceleration, the system FC replenishes the fuel cell stack with air or hydrogen in advance.

